

IN THE CLAIMS:

Please amend claims 1, 7 and 13 as follows:

Claim 1 (Currently Amended): A complex objective lens having a convex aspherical surface shape comprising:

a first optical element having a first surface including a convex aspherical surface shape and an opposite side surface opposing ~~[[to]]~~ the first surface; and

a second optical element having an exit surface through which an optical beam ~~passing~~ passes and an entry surface opposing ~~[[to]]~~ the exit surface,

wherein the opposite side surface opposing ~~[[to]]~~ the first surface of the first optical element and the entry surface opposing ~~[[to]]~~ the exit surface of the second optical element are both flat and directly contacted to each other.

Claim 2 (Original): A complex objective lens according to claim 1, wherein the first optical element has a refractive index larger than the refractive index of the second optical element.

Claim 3 (Withdrawn): A complex objective lens according to claim 1, further comprising an intermediate directly interposed on and between the opposite side surface opposing ~~[[to]]~~ the first surface of the first optical element and the entry surface opposing ~~[[to]]~~ the exit surface of the second optical element to connect the first and second optical elements.

Claim 4 (Withdrawn): A complex objective lens according to claim 3, wherein the intermediate film has a refractive index larger than the refractive index of the second optical

element and the first optical element has a refractive index larger than the refractive index of the intermediate film.

Claim 5 (Currently Amended): A complex objective lens according to claim 1, wherein the convex aspherical surface shape of said first optical element includes a center curvature radius in a range of length equal to ~~[[and]]~~ or larger than a radius of a ~~[[ball]]~~ sphere having the same volume as a volume of the first optical element and smaller than a radius of a ~~[[ball]]~~ sphere having the same volume as a total volume of the first and second optical elements.

Claim 6 (Original): A complex objective lens according to claim 1, wherein a center curvature radius r_A of said the convex aspherical surface shape of the first optical element satisfies a formula below:

$$\sqrt[3]{\frac{3}{4\pi} V_1} \leq r_A < \sqrt[3]{\frac{3}{4\pi} (V_1 + V_2)} \quad (1)$$

wherein V_1 denotes a volume of the first optical element, and V_2 denotes a volume of the second optical element.

Claim 7 (Currently Amended): A complex objective lens according to claim 1, wherein the first and second optical element are made of a glass material, the opposite side surface opposing ~~[[to]]~~ the first surface of the first optical element and the entry surface opposing ~~[[to]]~~ the exit surface of the second optical element are formed by being contacted and abraded to make close adherence to one another.

Claim 8 (Currently Amended): An optical pickup device characterized by comprising a complex objective lens including: a first optical element having a first surface including a convex aspherical surface shape and an opposite side surface opposing [[to]] the first surface; and

a second optical element having an exit surface through which an optical beam passing passes and an entry surface opposing [[to]] the exit surface,

wherein the opposite side surface opposing [[to]] the first surface of the first optical element and the entry surface opposing [[to]] the exit surface of the second optical element are both flat and directly contacted to each other.

Claim 9 (Currently Amended): An optical recording/reproducing apparatus characterized by comprising an optical pickup device having a complex objective lens including: a first optical element having a first surface including a convex aspherical surface shape and an opposite side surface opposing [[to]] the first surface; and

a second optical element having an exit surface through which an optical beam passing passes and an entry surface opposing [[to]] the exit surface,

wherein the opposite side surface opposing [[to]] the first surface of the first optical element and the entry surface opposing [[to]] the exit surface of the second optical element are both flat and directly contacted to each other.

Claim 10 (Withdrawn): A method for manufacturing a complex objective lens having a convex aspherical surface shape comprising the steps of:

providing a first optical element having a first surface including a convex aspherical surface shape and an opposite side surface opposing ~~[[to]]~~ the first surface, and a second optical element having an exit surface through which an optical beam ~~passing~~ passes and an entry surface opposing ~~[[to]]~~ the exit surface;

directly contacting and abrading said first and second optical element at the opposite side surface opposing ~~[[to]]~~ the first surface of the first optical element and the entry surface opposing ~~[[to]]~~ the exit surface of the second optical element; and

applying said second optical element to the first optical element.

Claim 11 (Withdrawn): A method according to claim 10, further comprising a step of monitoring a thicknesses of the first and second optical elements in the abrading step to stop to abrade the first and second optical elements at a time that a predetermined optical thickness is obtained.

Claim 12 (Withdrawn): A method according to claim 10, further comprising a step of providing an intermediate film between the opposite side surface opposing ~~[[to]]~~ the first surface of the first optical element and the entry surface opposing ~~[[to]]~~ the exit surface of the second optical element, after the abrading step.